

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,870,454 B1  
APPLICATION NO. : 10/656257  
DATED : March 22, 2005  
INVENTOR(S) : Mihai Vladimirescu and Regina Kwiatkowski

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 5, line 66, the reference numeral "16" has been changed to --18--, so that the line reads --18 and armature rod 12 permits actuator 10 to smoothly--.

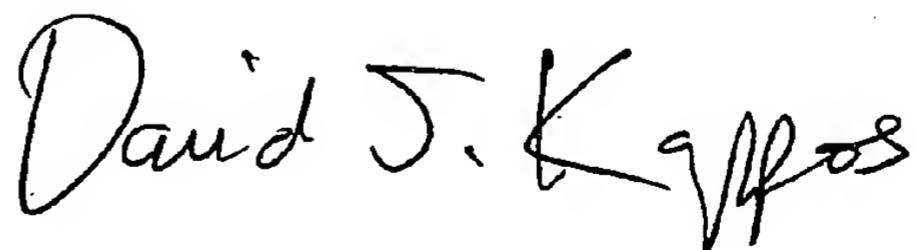
Column 10, line 1, the reference numeral "BB" has been changed to --8B--, so that the line reads --FIGS. 8A and 8B illustrate just one example implementation--.

Column 10, line 33, claim 1, the phrase "tubular portion:" has been changed to --tubular portion;--, so that the line reads --of the hollow tubular portion;--.

Column 10, line 55, claim 1, the phrase "said shied at" has been changed to --said shield at--, so that the line reads --substantially outside said shield at the second stroke and--.

Signed and Sealed this

Eighteenth Day of August, 2009



David J. Kappos  
*Director of the United States Patent and Trademark Office*